# **LMA District Cover Sheet**

### **Spring 2015 Levee Inspection Results**

# **Sutter Maintenance Yard Tisdale Bypass**

Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)					
** Non-receipt of Su	ummer or Winter Inspe	ection Reports may effec	ct overall annual rating.					
•	, ,	•	ual maintenance					
FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indiction of risk.								
	** Non-receipt of Su e ratings are not deterred using the same crite ance rating shown abo	** Non-receipt of Summer or Winter Inspectors  eratings are not determined for the spring in the dusing the same criteria in the spring and in ance rating shown above is based on operations.	(March - May) (June - August) (September - November)  ** Non-receipt of Summer or Winter Inspection Reports may effect eratings are not determined for the spring inspection results. Individed using the same criteria in the spring and in the fall.  ance rating shown above is based on operation and maintenance de					

#### **Unit Cover Sheet**

### **Spring 2015 Levee Inspection Results**

# **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles
Unit No. 01 Tisdale Bypass	Left	4.51

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/13/2015 - 03/13/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

#### **Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

#### http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

### **Levee Inspection Report By Mile - Spring 2015**

# **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/13/2015 03/13/2015	Bob Duffey

LM Start		Rating **	Α	Issue No.		2		
LM End		Issue Type +	Ma	Location *		N/A		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item		Operations & Maintenance Manuals			0		0	
пеш	Manuals				0		0	
DWR ID	DWR_ST0	009_01_s _ 201	3_2					
		Action/	Comme	nts				
Inspector (	Comments	: Sutter Yard	has the	O&M manu	als.			

No Photos

Rating \*\* Issue No. LM Start Α Issue Type + LM End Ма Location \* N/A Earthen Levee GPS Latitude/Longitude Category Start End **Emergency Supplies &** Item Equipment DWR ID DWR\_ST0009\_01\_s \_ 2013\_4 Action/Comments

No Photos

Inspector Comments: Sutter Yard has a stockpile of emergency supplies and equipment.

LM Start		Rating **	Α	Issue No.		5	_
LM End		Issue Type +	Ма	Location *		N/A	
Category Earthen Levee				GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &	Training		0		0
пеш					0		0
DWR ID DWR_ST0009_01_s _ 2013_5							
Action/Comments							

No Photos

Inspector Comments: Sutter Yard had flood fight training October 2014.

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

CR : Crown

### **Levee Inspection Report By Mile - Spring 2015**

# **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/13/2015 03/13/2015	Bob Duffey

LM Start	1.50	Rating **	М	Issue No.	6		
LM End	1.50	Issue Type +	En	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Encroach	ments		39.02826	86°	39.028268	0
item				-121.79430	08°	-121.794308	0
DWR ID DWR_ST0009_01_s _ 2015_6							
Action/Comments							

Tree or limb

Inspector Comments: Remove the tree from the waterside toe.



View of the tree that is along the waterside toe.

LM Start	2.19	Rating **	М	Issue No.	3		
LM End	4.11	Issue Type +	En	Location *	LS		
Catagonia Earthen Levee			GPS Latitude/Longitude				
Category		Start		End			
Item	Encroachments			39.0281	73 °	39.028012	0
iteiii				-121.7814	75 °	-121.745665	0
DWR ID DWR_ST0009_01_s _ 2012_3							
Action/Comments							

Pole



View of the PG&E poles along the landside crown of the levee.

### **Levee Inspection Report By Mile - Spring 2015**

# **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Tisdale Bypass	Left	4.51	03/13/2015 03/13/2015	Bob Duffey

LM Start	3.64	Rating **	М	Issue No.	1		
LM End	3.64	Issue Type +	En	Location *	LS		
Supplemental				GPS Lat	itud	le/Longitude	
Calegory	Category			Start		End	
Item	DWR UC	DWR UCIP Field Study			1 °	39.027911	0
пеш				-121.75422	4 °	-121.754224	۰
DWR ID							

Action/Comments

Inspector Comments: FS\_ID:45126

DS\_ID:16590 EP\_NO: 14740

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: 5/7/2015 Marker on WS shoulder

missin**5**/20/2013 Carsonite marker on WS shoulder missing and should be replace**d**0/30/2013 Same as last inspectio**5**/12/2014 Same as last inspection.

FIELD\_STRUCT\_DESC: 4-inch pipe through levee and under channel 2.5 feet below crown. Carsonite signes on both LS and WS shoulder. Gas Wells 200-feet off of LS toe. (Permit No. 14740 - Nahama and

Weagant Energy Co.) Drawings available.

FS Date: 05/11/2015

No Photos

#### **Unit Cover Sheet**

### **Spring 2015 Levee Inspection Results**

# **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles
Unit No. 02 Tisdale Bypass	Right	4.43

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/13/2015 - 03/13/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

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# Levee Inspection Report By Mile - Spring 2015

# **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/13/2015 03/13/2015	Bob Duffey

LM Start	<b>0.11</b> Rating ** M		Issue No.		1		
LM End	0.26	Issue Type +	En	Location *		LS	
Category Earthen Levee				GPS Lat	itud	e/Longitude	
				Start		End	
Item	Encroach	ments		39.02376	0 °	39.024559	0
пеш			-121.81887	5 °	-121.816344	0	
DWR ID	DWR_ST0009_02_s _ 2012_1						

#### Action/Comments

Ditch

Inspector Comments: Monitor the ditch for erosion.



View of the agricultural ditch along the landside toe.

LM Start	0.52	<b>0.52</b> Rating ** M		Issue No.		2		
LM End	1.74	Issue Type +	En	Location *		LS		
Category	Earthen Levee			GPS Latitude/Longitude				
Category				Start		End		
Item	Encroach	ments		39.0255	39°	39.025398	0	
пеш				-121.8115	40 °	-121.789006	0	
DWR ID	DWR_ST0009_02_s _ 2012_2							

#### Action/Comments

Ditch

Inspector Comments: Monitor the ditch for erosion.



View of the agriculture ditch next to the landside toe.

LM Start	1.01	Rating **	М	Issue No.		3	
LM End	1.01	Issue Type +	Ma	Location *	WS		
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Erosion /	Bank Caving		39.02554	2 °	39.025542 °	
пеш				-121.80246	8 °	-121.802468 °	
DWR ID	DWR_ST0009_02_s _ 2012_3						
Action/Comments							

Note and monitor erosion site.

Inspector Comments: Sutter Yard needs to monitor the erosion.



View of the erosion along the waterside berm.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### **Levee Inspection Report By Mile - Spring 2015**

## **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/13/2015 03/13/2015	Bob Duffey

LM Start	1.14	Rating **	M	Issue No.		6	
LM End	1.14	Issue Type +	En	Location *		WS	
Catagony	Supplemental			GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UC	IP Field Study		39.0255	03 °	39.025503	0
nem				-121.8000	53 °	-121.800053	0
DWR ID							

Action/Comments

Inspector Comments: FS\_ID:45131

DS\_ID:16594 EP\_NO: 267

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/7/2015 Burrowing near WS toe stil

presen Burrowing along downstream side of concrete vault on WS

Toe. May need to be groute 6/20/2013 Same as last

inspection 10/30/2013 Same as last inspection 5/12/2014 Same as

last inspection1/13/2014 Same as last inspection.

FIELD\_STRUCT\_DESC: 54-inch concrete pipe through levee, 29.5 feet below the crown. Slide gates on both ends. Waterward end gate in 5foot by 6-foot concrete box. Landward end gate in concrete "U" headwall. Siphon pipe under and across bypass, steel concrete encased. (Permit No. 267 & 290 - Sutter Basin Water Co.)

FS Date: 05/11/2015

Photo 1 of 1 : SP	2015	ST0009	287	290	20150406	00411.ipg	

No Photos



View of the erosion along the waterside berm.

LM Start	1.19	Rating **	М	Issue No.	290			
LM End	1.19	Issue Type +	Ма	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Erosion /	Bank Caving		39.02549	0 °	39.025490 °		
пеш				-121.79924	0 °	-121.799240 °		
DWR ID	DWR_ST0	009_02_s _ 201	5_290					
		A - 1' /	<u> </u>	- 1 -				

#### Action/Comments

Note and monitor erosion site.

Inspector Comments: Sutter Yard needs to monitor the erosion along the berm.

: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En : Enforcement

### **Levee Inspection Report By Mile - Spring 2015**

# **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/13/2015 03/13/2015	Bob Duffey

LM Start	1.29	Rating **	М	Issue No.		4		
LM End	1.29	Issue Type +	Ма	Location *	ion * \			
Category Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Item	Erosion /	Bank Caving		39.02547	в°	39.025478	۰	
пеш			-121.79723	2°	-121.797232	0		
DWR ID	DWR_ST0009_02_s _ 2013_4							

#### Action/Comments

Schedule repair of erosion site prior to the next inspection.

Inspector Comments: Sutter Yard needs to monitor the erosion.

# Photo 1 of 1 : SP\_2015\_ST0009\_287\_4\_20150310\_00004.jpg



View of the erosion along the waterside berm.

LM Start	1.50	Rating **	М	Issue No.		5	
LM End	1.50	Issue Type +	Ма	Location *	WS		
Catagonia Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item Erosion / Bank Caving				39.025446 °		39.025446 °	
пеш				-121.793347 °		-121.793347 °	
DWR ID DWR_ST0009_02_s _ 2013_5							

### Action/Comments

Schedule repair of erosion site prior to the next inspection.
Inspector Comments: Sutter Yard needs to monitor the erosion.



View of the erosion along the waterside berm.

### **Levee Inspection Report By Mile - Spring 2015**

# **Sutter Maintenance Yard Tisdale Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Tisdale Bypass	Right	4.43	03/13/2015 03/13/2015	Bob Duffey

LM Start	4.21	Rating **	М	Issue No.	7		
LM End	4.21	Issue Type +	En	Location *	WS		
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
DWR UCIP Field Study				39.02407	9 °	39.024079 °	
пеш				-121.743420 °		-121.743420 °	
DWR ID							

Action/Comments

Inspector Comments: FS\_ID:45125

DS\_ID:23099 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/7/2015 Crossing is in good condition. No

noticeable issues to reportleed to identify permit for

crossing0/30/2013 Same as last inspectios/12/2014 Same as

last inspection1/13/2014 Same as last inspection.

FIELD\_STRUCT\_DESC: Natural gas pipeline markers on LS shoulder

and toe and WS shoulder and toe. No photos available.

FS Date: 05/11/2015

No Photos